



Floatables Impacts to NJ Beaches

August 23 to September 7, 2007

NJ Department of Environmental Protection
Water Monitoring & Standards

Late Summer 2007

- Meteorologic and tidal conditions were conducive to floatables release
- Numerous trash slicks were observed and intercepted in the Harbor
- Eleven confirmed reports of floatables on NJ beaches
- Two beach closures



Rainfall – Storm Event Totals

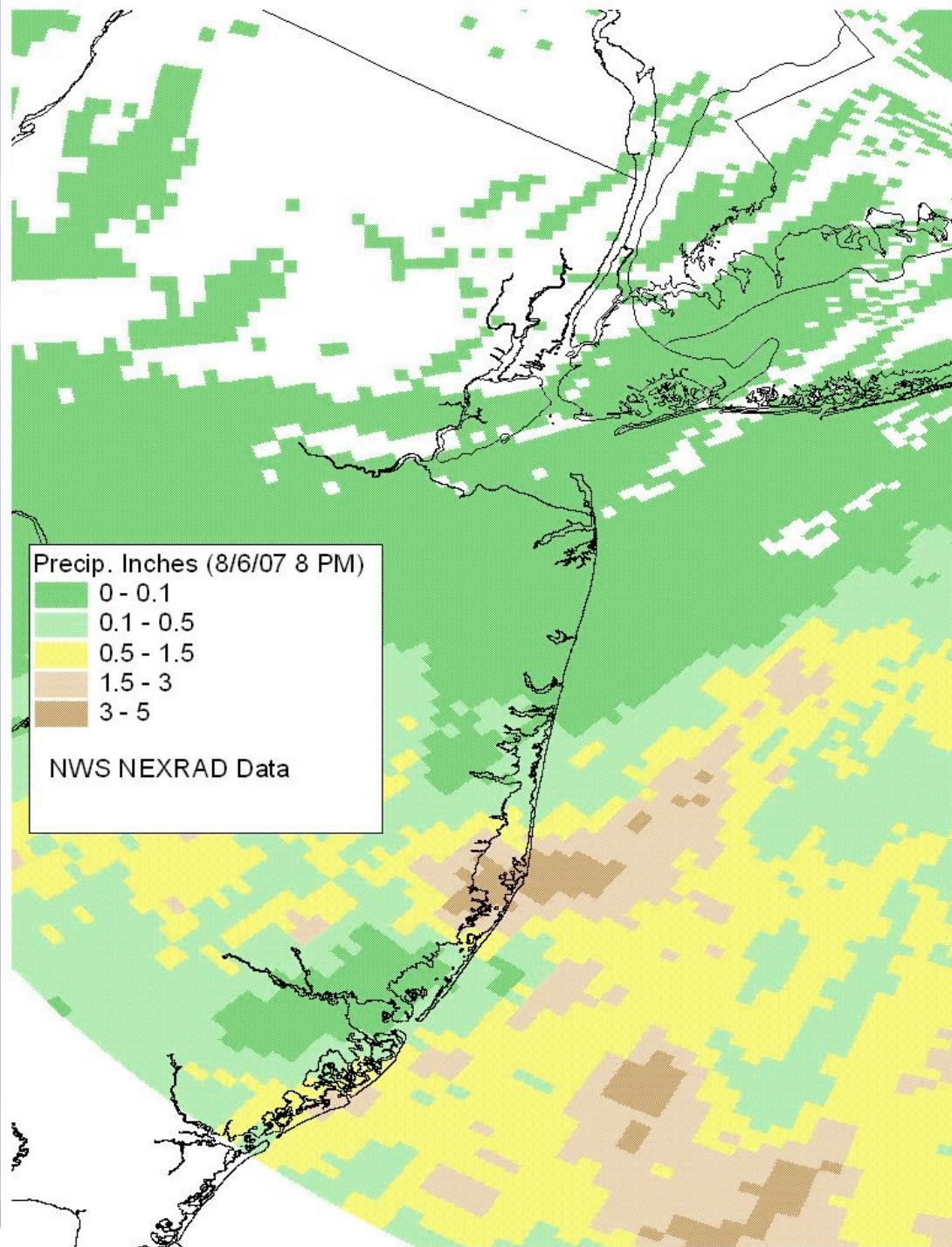
8/5/07 – 8/6/07

National Weather Service Radar

Heavy rain (1-3 inches) over parts of the southern NJ shoreline.



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Rainfall – Storm Event Totals

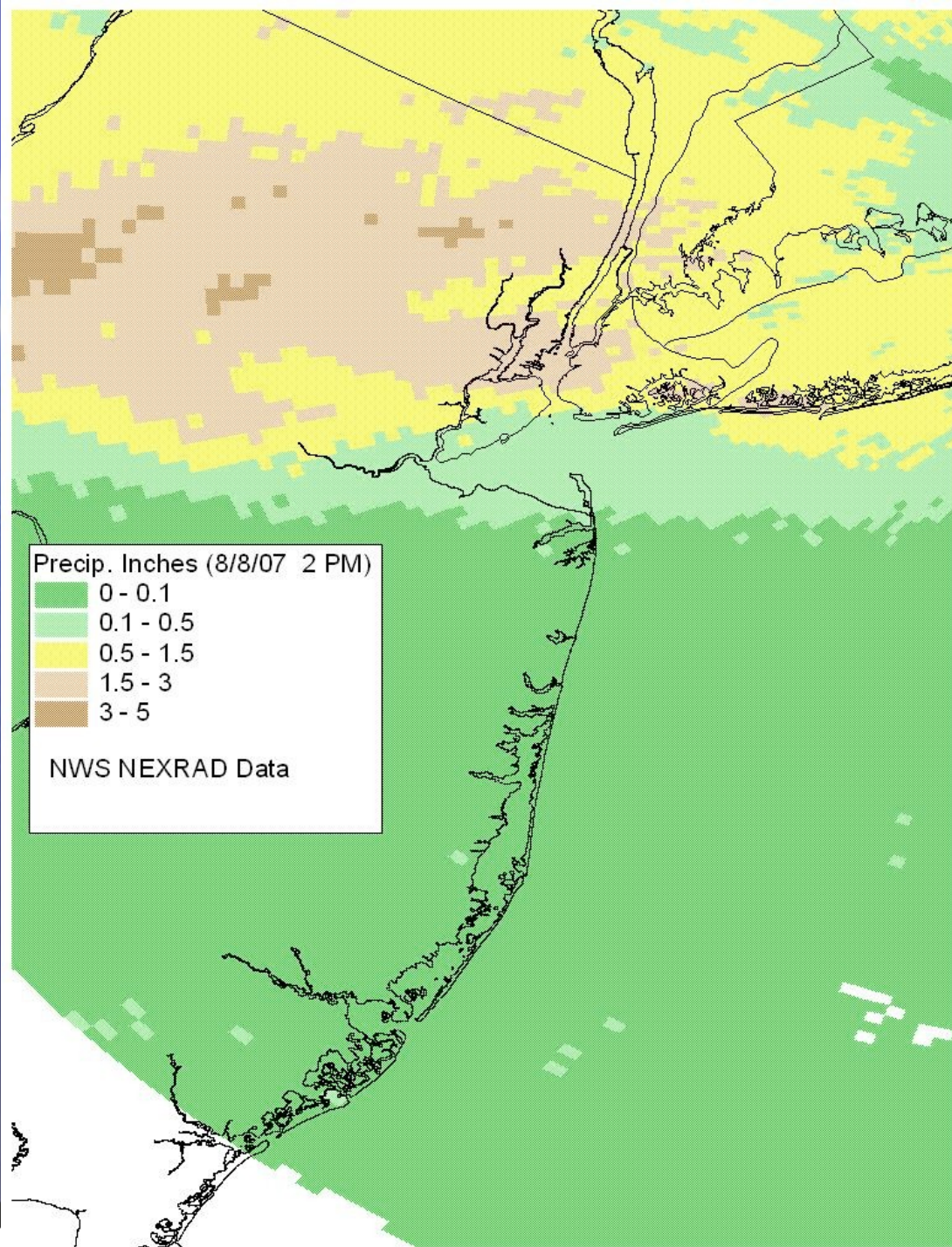
8/7/07 – 8/8/07

National Weather Service Radar

**Heavy rain (at least 3 inches)
over much of the NY/NJ
metropolitan area.**



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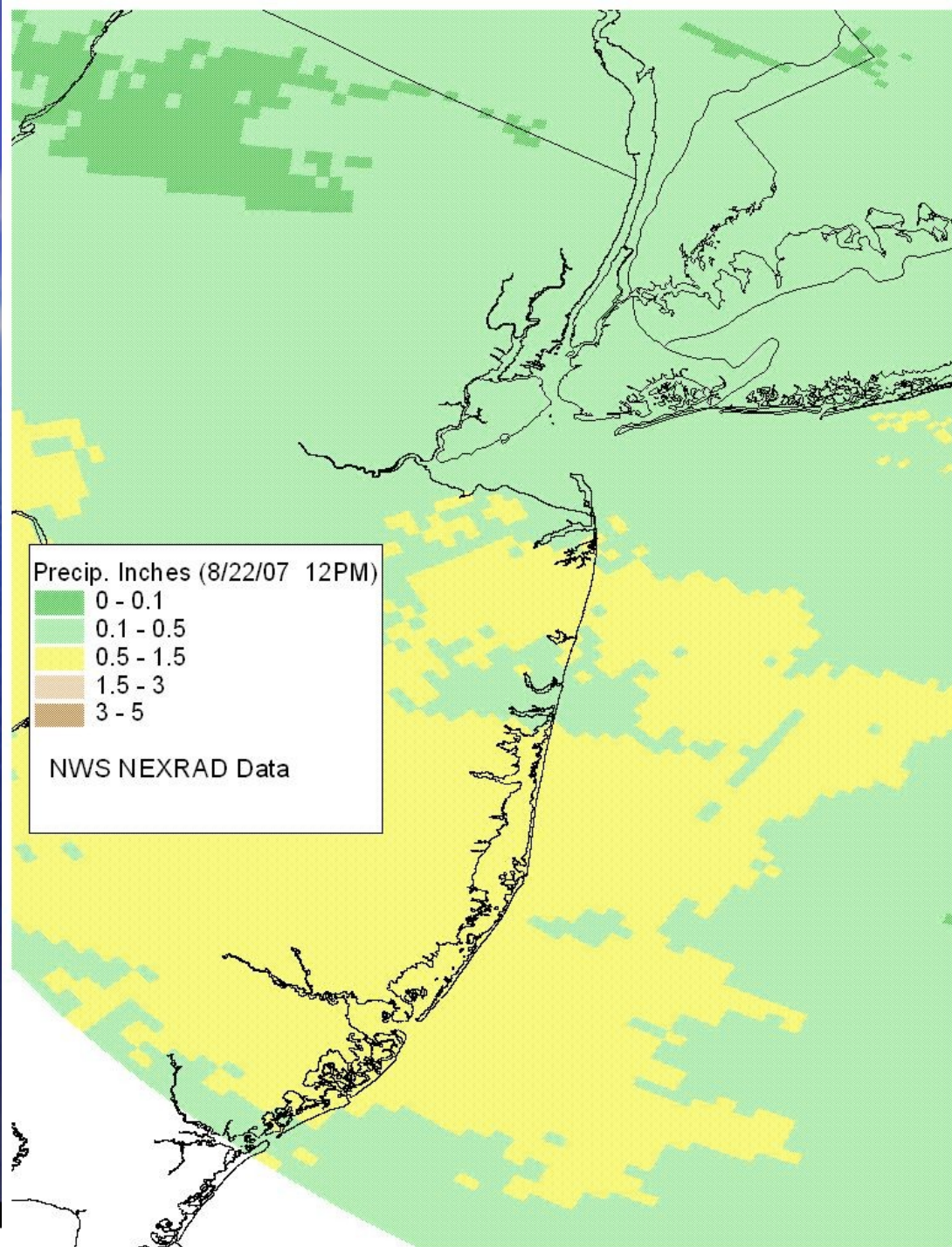


Rainfall – Storm Event Totals

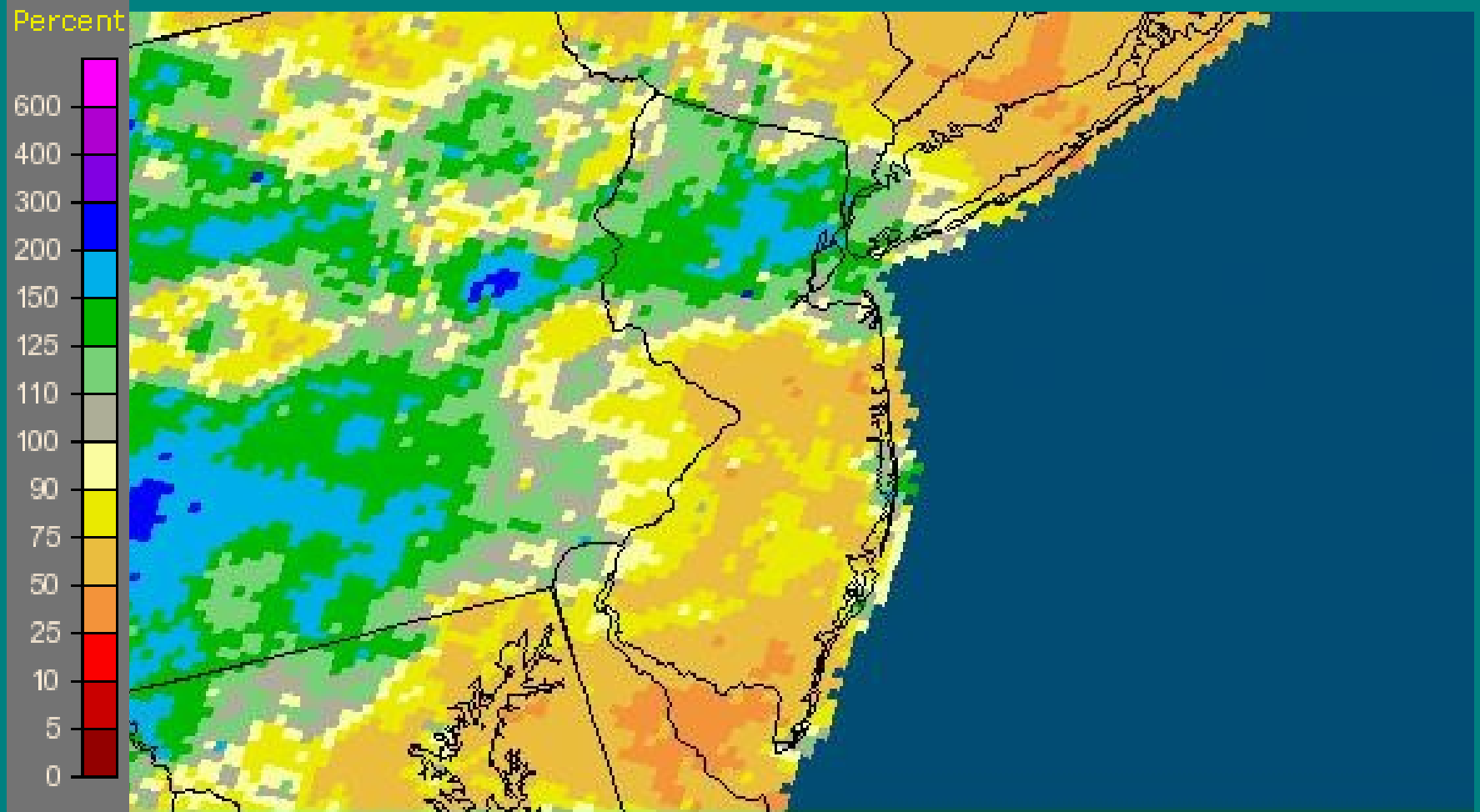
8/18/07 – 8/22/07

National Weather Service Radar

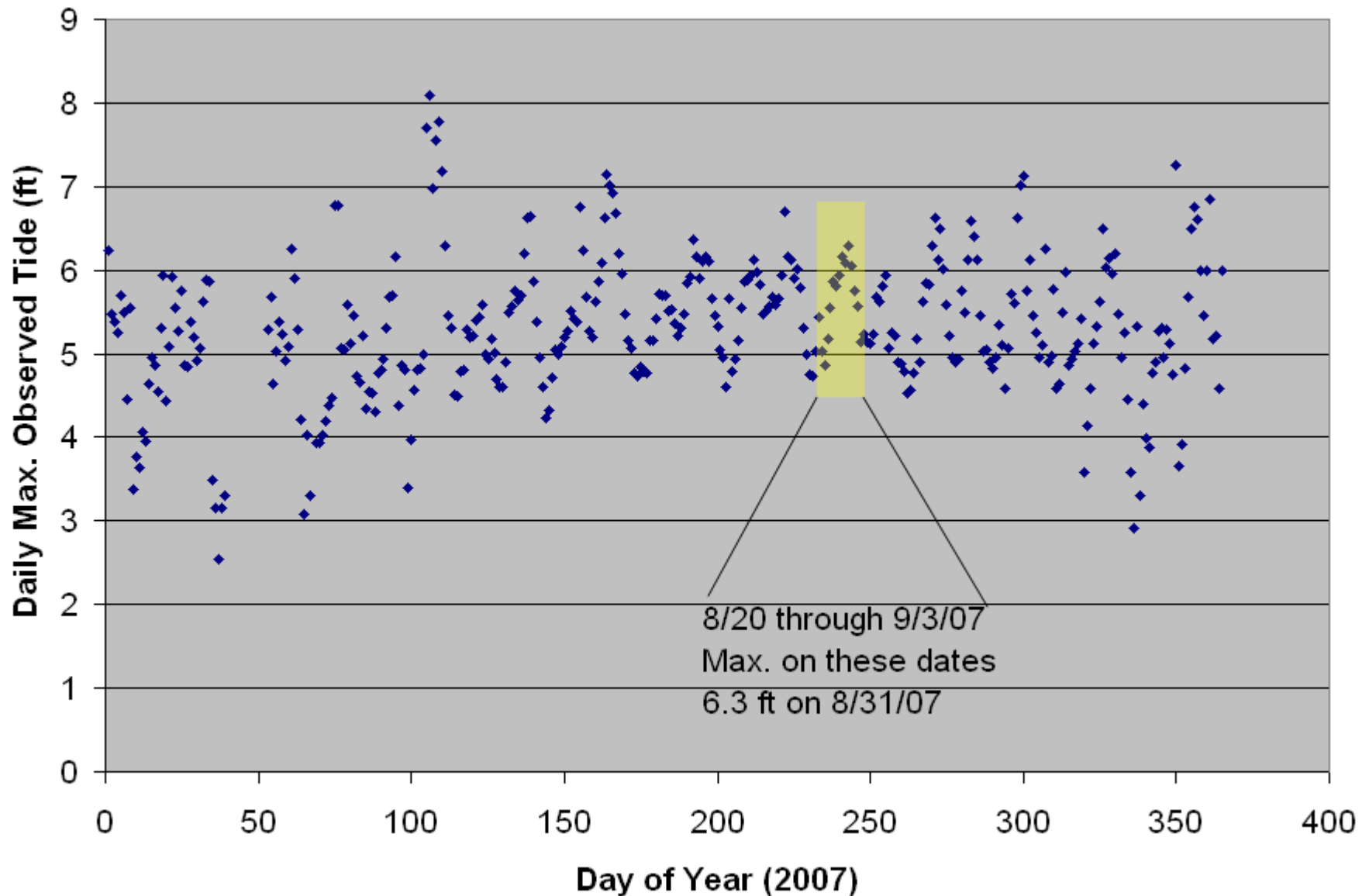
Moderate rainfall (0.5 – 1.5 inches) over much of southern NJ, including the shore.



New Jersey: August, 2007 Monthly Percent of Normal Precipitation



High Tides Late August and Early September Relative to all of 2007



Friday, 8/24/07

Prescription bottles, plastic tampon applicators, condoms, greaseballs and household garbage found at Union Beach.

Beach in Middletown closed the next day due to trash.

Union Beach

Middletown

Legend

-  Beach Closed
-  Trash w/ syringes
-  Beach Opened
-  Trash Slick
-  Trash



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Tuesday, 8/28/07

Beach in Middletown re-opened on 8/25.

8/28
EPA makes numerous sightings of trash slicks in Newark Bay, Arthur Kill, Kill Van Kull, and Lower Bay. ACOE skimmer boat responds to all sightings.

Newark Bay
Arthur Kill
Hudson River
Kill Van Kull
Lower Bay

Legend

-  Beach Closed
-  Trash w/ syringes
-  Beach Opened
-  Trash Slick
-  Trash



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Large Floatables Slick with Timbers



NJDEP file photo (not 2007 event)

Typical Large Floatables Slick as Seen from Aircraft



NJDEP file photo (not 2007 event)

Small Floatables Slick as Seen from Aircraft



NJDEP file photo (not 2007 event)

Skimmer Boat Removing Floatables Slick



NJDEP file photo (not 2007 event)

Saturday, 9/1/07

EPA makes additional sightings of trash slicks in Newark Bay (8/29) and Gravesend Bay (8/31). ACOE skimmer boat unable to respond on 8/31.

Waste and syringes reported on the beach in Sea Isle City on 8/30 and 9/1/07.

Newark Bay

Gravesend Bay

Legend

-  Beach Closed
-  Trash w/ syringes
-  Beach Opened
-  Trash Slick
-  Trash

Sea Isle City



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Sunday, 9/2/07

Trash & syringes reported in Normandy Beach resulting in closure of the beach. Trash washes up at Brick Beach. Lavallette beach closed due to trash. Additional syringes found on the beach in Sea Isle City.

Trash slick reported by a fisherman in the ocean off of Belmar.



Monday, 9/3/07

Normandy Beach and
Lavallette beaches reopen

One syringe found
on the beach in
Seaside Park.

Legend

-  Beach Closed
-  Trash w/ syringes
-  Beach Opened
-  Trash Slick
-  Trash



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Saturday, 9/8/07

Trash with syringes reported at Corsons Inlet State Park (9/6) and Ventnor (9/7).


Trash reported at Avalon and Stone Harbor on 9/8/07.

Legend

-  Beach Closed
-  Trash w/ syringes
-  Beach Opened
-  Trash Slick
-  Trash

Ventnor

Sea Isle City

 Avalon & Stone Hbr



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